

Rec'd PCT/INTO 07 Feb 2004

524, 162

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



10/524162



(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/014316 A2

(51) International Patent Classification⁷:

A61K

Langhorne, PA 19047 (US). **RYS, David, J.** [US/US]; 33 Simpson Road, Ardmore, PA 19003 (US).

(21) International Application Number:

PCT/US2003/025165

(74) Agents: **HAGAN, Patrick, J.** et al.; Dann, Dorfman, Herrick and Skillman, P.C., 1601 Market Street, Suite 2400, Philadelphia, PA 19103 (US).

(22) International Filing Date: 11 August 2003 (11.08.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/402,450 9 August 2002 (09.08.2002) US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **VIROPHARMA INCORPORATED** [US/US]; 405 Eagleview Boulevard, Exton, PA 19341 (US).

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **NITZ, Theodore, J.** [US/US]; 473 Kulp Road, Pottstown, PA 19465 (US). **GABOURY, Janet, A.** [US/US]; 1201 Hunter Drive, Blue Bell, PA 19422 (US). **BURNS, Christopher, J.** [US/US]; 1806 Hawkweed Way, Malvern, PA 19355 (US). **LAQUERRE, Sylvie** [CA/US]; 402 West 5th Avenue, Conshohocken, PA 19428 (US). **PEVEAR, Daniel, C.** [US/US]; 256 Morris Road, Harleysville, PA 19438 (US). **LESSEN, Thomas, A.** [US/US]; 31 Teal Drive,

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/014316 A2

(54) Title: COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING PNEUMOVIRUS INFECTION AND ASSOCIATED DISEASES

(57) Abstract: Compounds, compositions and methods are provided for the prophylaxis and treatment of infections caused by viruses of the Pneumovirinae subfamily of Paramyxoviridae and diseases associated with such infection.